**Chapter 4 Preview** Name _____
Probability
Integrated Math 2 Date _____

**Definitions: Define the following:**

1. Experiment
2. Relative Frequency
3. Experimental Probability
4. Act it out
5. Simulation
6. Event
7. Sample Space
8. Tree Diagram
9. Fundamental Counting Principle
10. Theoretical Probability
11. Compound Event
12. Mutually Exclusive
13. Independent Events
14. Dependent Events
15. Permutation
16. Factorial
17. ${}_nP_r$
18. Combination
19. ${}_nC_r$

**Objectives: You *should* be able to do the following objectives:**

1. Use experiments to collect data
2. Use data to find experimental probabilities
3. Use simulations to relate probabilities
4. Determine sample spaces using various methods
5. Find theoretical probabilities
6. Find probabilities of compound events
7. Explore mutually exclusive compound events
8. Find probabilities of dependent events
9. Find the probability of independent events
10. Find the number of permutations of a set
11. Find the number of combinations of a set

If you can give a good definition for each term without having to look it up, then you should be ready to identify these terms for the quizzes and test. If you can describe a method as to how to perform each of the objectives, then you should be ready to perform these tasks on the quizzes and test. If there are any terms or objectives that you are unsure about, then these are the things you want to take extra time studying.

**Check the class wiki for summary assignments.**